

1ST **DESIGN** BASIS **DOCUMENT**

VALVE(S): **CS-16, CS-17**

DRAWING: NF-39237, NF-39824

DESCRIPTION: 11,12 Containment Spray Pump Suction Check

CODE **CLASS:** 2

VALVE CATEGORY: C, Active

NORMAL POSITION: Closed

SAFETY POSITION: Open or closed

SAFETY FUNCTION(S): Valve is open to provide **RWST** water and flow to the CS pumps. Valve is closed to prevent backflow of containment sump water to the RWST upon a passive failure of **the RHR** to **Cs MOV.**

NORMAL FUNCTION (S) :

TEST TYPE: Partial stroke open quarterly per SP1090 and OM-10 paragraph 4.3.2.1 and 4.3.2.2(b) and (e) with the **full** stroke open at refueling per **SP1372**. Obturator travel to the closed position is test quarterly per **SP1354** and OM-10 paragraph 4.3.2.1 and 4.3.2.2(a).

COMMENTS: Se. Deferral CS1 and CS2.

Non-intrusive testing is performed to assure the valve is full open using the head of the RWST as the driving force. Should testing with the RWST head be unsuccessful the valve **is** disassembled and inspected.

REFERENCE:B18 Containment Spray System Description



POINT BEACH NUCLEAR PLANT
INSERVICE TESTING PROGRAM
THIRD INTERVAL

BACKGROUND DOCUMENT
APPENDIX A
Revision 1
March 30, 1993

MAIN AND REHEAT STEAM SYSTEM

1-MS-02017C-S, 1-MS-02017D-S, 1-MS-02018C-S, and 1-MS-02018D-S (M-201 , **Sh 1**)
2-MS-02017C-S, 2-MS-02017D-S, 2-MS-02018C-S, and 2-MS-02018D-S (M-2201, **Sh 1**)
MSIV Pneumatic Operator Exhaust Valves

These valves **open/shift** to provide an exhaust path for air from the underside of the **MSIV** operating cylinder when an **MSIV** closing signal is received. Although these valves **are** not classified as Class 1, 2, or 3, they are included in the Program for completeness.

Test Requirement: BT-O

1-MS-02017A-S, 1-MS-02017B-S, 1-MS-02018A-S, and 1-MS-02018B-S (M-201 , **Sh 1**)
2-MS-02017A-S, 2-MS-02017B-S, 2-MS-02018A-S, and 2-MS-02018B-S (M-2201 , **Sh 1**)
MSIV Pneumatic Operator **Supply** Valves

These valves **close/shift** to secure **supply** air to the underside of the **MSIV operating** cylinder when an MSIV closing **signal is** received. Although these valves are not **classified** as Class 1, 2, or 3, they are included in the Program for completeness.

Test Requirement: BT-C

1-MS-02019 and 1-MS-02020 (M-201 , **Sh 1**)
2-MS-02019 and 2-MS-02020 (M-2201 , **Sh 1**)
· **AFW** Steam Supply Stop/Check Valves

These normally-closed valves open to provide **flowpaths** for steam from each of the steam generators to the respective **AFW** Pump turbine. They close to provide isolation between the steam **generators** in the event of a steam line **break** upstream of the **MSIV,s. (FSAR 10.2.2)**

Test Requirement: **CV-O** BT-O BT-C PIT